

KRUTA, V.

On the Breslau dissertation of J.E.Purkyne, De Examine Physiologico
Organi Visus Et Systematis Cutanei (1823). Cesk. fysiол. 11 no.1:

1-7 Ja '62,

(OPHTHALMOLOGY history) (DERMATOLOGY history)
(DISSERTATIONS, ACADEMIC)

KRUTA, V.

On the anniversary of J.Ev. Purkyne. Cesk. farm. 11 no.8:385-387
0 '62.

(BIOGRAPHIES)

KRUTA, V.

The relation of Johannes Evangelista Purkinje to surgery. Rozhl.
chir. 41 no.12:785-788 D '62.
(SURGERY) (BIOGRAPHIES)

KRUTA, Vladislav

Self-regulation of contraction of the myocardium. Cas. lek. česk.
101 no.21:667-671 My '62.

1. Fyziologický ústav lékařské fakulty University J.Ev.Purkyně v
Brno, přednosta prof. dr. Vl.Kruta.
(MYOCARDIUM physiol)

CZECHOSLOVAKIA

V. KRUTA [Affiliation not given]

"The International Symposium About the Development of Experimental Neurophysiology in the 18th and 19th Centuries (Muenster/Westf. 17-20 September 1962.)"

Prague, Ceskoslovenska Fysiologie, Vol 12, No 2, 1963; pp 156-157.

Abstract: A review of the 15 papers presented at this meeting, with some stress on the early Czech neurophysiologic studies of Prochazka and Purkyně.

1/1

CZECHOSLOVAKIA

V. KRUTA [Affiliation not given]

"Medal with Portrait of J.E. Purkyně."

Prague, Ceskoslovenska Fysiologie, Vol 12, No 3, May 63; p 161.

Abstract: Description and front and verso photographs of bronze medal cast at occasion of the 100th anniversary of the Czech Medical Society (Spolek Lekarů Českých); pertinent data are given about the medal which was designed by commission presided by author.

1/1

CZECHOSLOVAKIA

KRUTA, V.; Department of Physiology of Medical Faculty of J.E.Purkyne University (Fysiologicky ustav lekarske fakulty J.E. Purkyne,) Brno.

"The Physiology Curriculum in Medical Schools."

Prague, Ceskoslovenska Fysiologie, Vol 12, No 4, July 1963; pp 293-295.

Abstract: Main difficulties in Brno are overcrowding (including foreign students such as 40 or 50 Germans,) without increase in staff and facilities, improper organization of curriculum (overlapping heavy subjects and exams,) lack of ideal texts (multiple-author tomes are repetitious and also lack basic data or proper perspective.)

CZECHOSLOVAKIA

KRUPA, V., Prof. MD.

Prague, Prakticky lekar, No 16, 1963, p 701

"The Factor of 'Restitution' and the Factor of 'Potency'
in the Activities of Heart Muscle."

KRUTA, V.; BRAVENY, P.; HLAVKOVA-STEJSKALOVA, J.; HUSAKOVA, B.

Restoration of myocardial contractility and inotropic effects
(ouabain, quinidine, tyramine, theophylline and acetylcholine)
in guinea pigs and rats. Ser. med. fac. med. Brunensis 36
no.1/2:1-26 '63.

1. Katedra fysiologie lekarske fakulty University J.E. Purkyně
v Brně Vedoucí prof. MUDr. DrSc. Vladislav Kruta.
(MYOCARDIUM) (TYRAMINE) (THEOPHYLLINE)
(ACETYLCHOLINE)

KRUTA, Vl.

Contribution of Prague to the development of pharmacology. Cas.
lek. cesk. 102 no.41:1116-1118 11 '0 163.

1. Fyziologicky ustav UJEvP v Brne, prednosta prof. dr. Vl.
Kruta.

(PHARMACOLOGY) (HISTORY OF MEDICINE, 18th CENT.)
(HISTORY OF MEDICINE, 19th CENT.)

KRUTA, V.

Prague contribution to the progress of pharmacology. Rev. Czech.
med. 11 no.4:264-269 '65.

1. Chair of Physiology, Medical Faculty, University J.E. Purkyne,
Brno.

KRUTA, V.

Concerning the basic biographical data of J.E. Purkyne.
Extract from the register concerning his marriage. Cas.
lek. Cesk. 104 no.42:1165-1167 22 0 '65.

1. Katedra fyziologie lekarske fakulty University J.E.
Purkyne v Brne (vedouci prof. dr. V. Kruta, DrSc.).

KRUTA, V., prof. dr., (Brno, Komenskeho nam. 2)

Purkyne's hypothesis on the physiology of wakefulness and sleep.
Cas. lek. Cesk. 104 no.48:1322-1326 3 D '65.

KRUTA, V., prof. dr.

Academician J. Kurz on Purkyne's methods of eye and sight
examination. Cas. lek. Cesk. 104 no.51:1408 17 D '65.

CZECHOSLOVAKIA

BRAVENY, P.; KRUTA, V.; SUMERA, J.; Department of Physiology, Medical Faculty of J.E. Purkyne University (Katedra fysiologie lek. fak. univ. J.E. Purkyne), Brno.

"Slow Tonic Contractions and Atypical Course of Restoration of Myocardial Contractility."

Prague, Ceskoslovenska Fysiologie, Vol 14, No 5, Oct 1965; p 339.

Abstract: Study of isolated left sinuses of guinea pigs exposed to high stimuli, low temperature, high Ca++ level, epinephrine and other conditions. The intensity of contraction could not be correlated with the rapidity of restoration of contractility, suggesting an interplay of multiple factors. Graph, 1 Western reference. Paper presented at the 15th Physiology Days, Olomouc, 27 May 65.

1/1

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CZECHOSLOVAKIA

APPROVED FOR RELEASE: 06/14/2000

CIA-RDP86-00513R000826810015-0"

HRUBA, V.; HLAVKOVA, J.; Physiological Institute, Medical Faculty J.E. Purkyne University (Fysiologicky Ustav Lek. Fak. University J.E. Purkyne), Brno.

"The Period of Heart Contraction in Some Kinds of Mammals."

Prague, Ceskoslovenska Fysiologie, Vol 15, No 2, Feb 66, p 116

Abstract: The heart beat varies in mammals, from 10 to 500 per minute. Variations persist even in vitro. The longest and shortest periods of contraction at a given temperature are characteristic of a given animal, but differ much less than the frequency of the heart beat. Values found at 20 and 35°C for guinea pig, cat and dog differed very little, only rat myocardium showed substantially lower values. 2 Czech references. Submitted at "16 Days of Physiology" at Kosice, 28 Sep 65.

1/1

- 157 -

KIOTA, V.

Mechanism of the reaction of skeletal muscle and myocardium.
Cesk. fysiolo. 13 no.4:379-385 JI '64.

1. Katedra fysiologie lek. fak., Brno.

KOCHEVA, G.N.; RAZIKOV, M.I., kand. tekhn. nauk, retsenzent;
KRUTAKHOVSKIY, V.G., inzh., red.

[Building up wear resistant surfaces] Naplavka iznoso-
stoikikh poverkhnostei. Moskva, Mashgiz, 1963. 58 p.
(MIRA 17:4)

AUTHOR: Krutasov, O.I. Engineer

SOV/118-56-12-3/17

TITLE: New Equipment for the Mechanization of Loading and Unloading Operations (Novoye oborudovaniye dlya mekhanizatsii pogru-zochno-razgruzochnykh rabot)

PERIODICAL: Mekhanizatsiya trudoyemkikh i tyazhlykh rabot, 1958, Nr 12, pp 11 - 15 (USSR)

ABSTRACT: The Tsentral'noye konstruktorskoye byuro metallurgicheskogo oborudovaniya - TsKB MO (Central Design Office for Metallurgical Equipment) has designed a number of machines for the mechanization of the loading and unloading of various materials. A new rotary car dumper has no clamping mechanisms; there is no rope drive; the gyration mechanism of the rotor is simplified; the weight is considerably less than that of existing car dumpers; the new car dumper also has vibrators for the cleaning of freight cars after they are unloaded. The capacity of the car dumper is thirty 93 tons freight cars in one hour. During trials at the DZMO Plant test stand the new car dumper proved satisfactory. A special self propelled electric carriage (propelling force - 10,450 kg) has been designed for the delivery and placing of freight cars on the car dumper. The carriage is operated from the dumper.

Card 1/2

SOV/118-58-12-3/17

New Equipment for the Mechanization of Loading and Unloading Operations

Another self propelled car dumper has been designed for the unloading of gondola cars loaded with slag or building-refuse. The mobile car dumper is designed for the unloading of 9 gondola cars per hour - the average time for unloading 1 car is 3 minutes. Another mobile car dumper has been designed for the unloading of 60 ton flatcars into open air storage. For the loading of ferroalloys into box cars, a loader, to be used at the Zestofonskiy zavod ferrosplavov (the Zestafoni Ferroalloy Plant) has been designed. The mechanical loading efficiency is 10 times greater than that of 1 laborer. There are 4 sets of diagrams.

Card 2/2

ONAYEV, I.A.; KIROCHEN, A.F.; TURET, A.L.; ALAY, B.I.; GULAYEV, V.V.;
KHUTABOV, V.I.

Smelting of the Balkhash copper concentrates with an oxygen-
enriched blow in cyclone furnaces. Vest. AN Kazakh. SSR 21
no.1:27-34. Ja '65. (MIRA 18:7)

KHUTASOVA, Ye.I., inzh.

Work experience of the metals and welding laboratory of the
Chelyabinsk Power Plant. Energetik 5 no.10:4-7 0 '57. (MIRA 10:12)
(Chelyabinsk--Metals--Testing) (Welding)

L 38978-66 EWT(m)/T/FWP(t)/ETI IJP(c) JD

ACC NR: AP6013360

(N)

SOURCE CODE: UR/0370/66/000/002/0094/0099

AUTHOR: Krutasova, Ye. I. (Chelyabinsk)

3²B

ORG: none

TITLE: Some characteristics of the rates of diffusion and solidification of carbides in chromium steels exposed to high temperatures for long periods

SOURCE: AN SSSR. Izvestiya. Metally, no. 2, 1966, 94-99

TOPIC TAGS: carbide, chromium steel, metal diffusion

ABSTRACT: The solidification kinetics of carbides during aging of low-alloy heat-resistant boiler steels 12Kh1MF and 12Kh2MFSR and the variation of the diffusion parameters at 565-650°C were studied by quantitative metallographic analysis involving the measurement of the size of carbide particles on photomicrographs. The coefficient and heat of diffusion of 12Kh2MFSR steel were determined at 565, 610, and 550°C after aging the specimens for 1000 hr. The heat of diffusion was calculated from the formula

$$Q = \frac{2RT}{0.4343} (2.862 - \log d_{av}),$$

where d_{av} is the average size of the carbide particle. The diffusion coefficient was determined for various temperatures at a constant aging time from the equation

Card 1/2

UDC: 669.14.018.4

L 38978-66

ACC NR: AP6013360

$$D = Ae^{-Q/RT},$$

0

where A is the diffusion constant, equal to $0.174 \text{ cm}^2/\text{sec}$. 12Kh2MFSR steel exposed to high temperatures for long periods was found to be structurally more stable than 12Kh1MF steel. As the aging time increases to 10,000 hr, the solidification rate of carbide particles in 12Kh2MFSR steel decreases appreciably. The data obtained make it possible to recommend 12Kh2MFSR steel for use in boiler assemblies operating at temperatures up to $610-620^\circ\text{C}$. Orig. art. has: 4 figures, 3 tables, and 3 formulas.

SUB CODE: 11/ SUBM DATE: 23Nov64/ ORIG REF: 003

Card 2/2

ALS

L 1941-66 EWT(m)/EWP(w)/EWA(d)/T/EWP(t)/EWP(k)/EWP(z)/EWP(b)/EWA(c) MJW/JD/HW
 ACCESSION NR: AP5025135 UR/0133/65/000/010/0944/0947
 669.18-412 : 621.746.753

AUTHOR: Palatnikova, Ye. S.; Krutasova, Ye. I.

TITLE: Normalizing of large-diameter boiler pipes of 12Kh1MF steel from the rolling temperature

SOURCE: Stal', no. 10, 1965, 944-947

TOPIC TAGS: pipe, metal rolling, metal aging, metal property, metal heat treatment, 12Kh1MF steel

ABSTRACT: Normalizing of pipes of 12Kh1MF steel with a wall thickness of 15 to 20 mm from the temperature of the end of rolling (980-1070°C), followed by high tempering provides for the required mechanical properties. The stress rupture strength of the pipe metal thus normalized and aged is as high as that of pipes treated by the standard adopted process. The normalizing does not cause a decline in the stress rupture strength and mechanical properties when the temperature of the end of rolling is raised from 980 to 1070°. The plastic properties are high and almost equal in absolute value to those of pipes treated by the standard adopted.

Card 1/2

L 1941-66

ACCESSION NR: AP5025135

15
ed process. The microstructure of pipes normalized from the temperature of the end of rolling also remains similar. "V. A. Rybakov, M. P. Mishin, and T. M. Talova participated in the work." Orig. art. has: 4 figures, 2 tables.

44.55
ASSOCIATION: Chelyabinskiy truboprokatnyy zavod (Chelyabinsk Pipe Rolling Plant); Vostochnyy filial Vsesoyuznogo teplotekhnicheskogo instituta (Eastern Branch of the All-Union Heat Engineering Institute)

SUBMITTED: 00

44.55
ENCL: 00

SUB CODE: MM

NO REF SOV: 000

OTHER: 002

Card 2/2

U 10102-07 $\frac{SWR(n)}{SWR(t)} / \frac{SWI}{SWP(k)} \quad \frac{JIP(c)}{JJ/INT}$

ACC NR: AP7003103

SOURCE CODE: UR/0096/66/000/006/0042/0043

AUTHOR: Krutasova, Ye. I. (Candidate of technical sciences); Venkova, L. F. (Engineer); Bulanov, Yu. P. (Engineer)

ORG: none

TITLE: Structure and properties of tube metal made of 12Kh2MFSR steel after long aging

SOURCE: Teploenergetika, no. 6, 1966, 42-43

TOPIC TAGS: metal tube, steel microstructure

ABSTRACT: Results are presented from an investigation of the change in properties of 12Kh2MFSR tube steel after long aging at high temperatures under laboratory and usage conditions in units with ultrahigh steam parameters. Photographs of the microstructure of the metal are presented. Investigation showed that after aging up to 10,000 hr at 620°C, a new phase is separated at the boundaries of the ferrite grains which apparently increases the resistance of the steel to the action of high temperatures. At 620°C in an atmosphere of air and fuel gases, scale formation proceeds rapidly on this steel. Orig. art. has: 5 figures and 2 tables. [JPRS: 37,415]

SUB CODE: 13, 11 / SUBM DATE: none

Card 2/2

UDC: 621.772.4.620.183.001.45

AUTHOR: Krutasova, Ye.I., Engineer.

104-3-8/45

TITLE: Graphitisation of molybdenum steel in high pressure electric power stations. (Grafitizatsiya molibdenovoy stali na elektrostantsiyakh vysokogo davleniya)

PERIODICAL: "Elektricheskiye Stantsii" (Power Stations), 1957, Vol. 28, No.3, pp. 25 - 26 (U.S.S.R.)

ABSTRACT: Steam pipes, collectors and fittings installed in a number of high pressure electric power stations with steam conditions of 110 atm. and 510 C have until recently mainly been manufactured from low carbon molybdenum steels brands 15M and 20M. It is known that when molybdenum steel is operated for a long time at a temperature above 480 C it tends to graphitisation. In connection with this, the instruction of the Ministry of Power Stations (Ministerstva Elektrostantsiy) "Observations on the creep and structural changes of metal" provides that after 15 000 hours of operation samples shall be cut from steam pipes of molybdenum steel to ascertain whether graphitisation of the metal has occurred.

In one high pressure power station of the Chelyabinsk system, after the boiler had operated for 25 399 hours specimens were cut from pipes of 0.5% molybdenum steel to investigate graphitisation. The samples were cut at the place

Card 1/2

104-3-8/45

Graphitisation of molybdenum steel in high pressure electric power stations. (Cont.)

where the super-heated steam collector was welded to the cast trifurcator. The samples were submitted to metallographical investigation, chemical analysis, and heat treatment. Results of the tests are given in the form of photomicrographs and tables of analysis. Observation of the presence of graphite was confirmed by heat treatment. Specimens of the graphitised metal were maintained at a temperature of 930 - 950 C, for five hours and re-examined when it was found that the inclusions in the steel had redissolved. Mechanical tests were made to investigate the influence of graphite on the properties of the metal. The results are tabulated and discussed. The work that was carried out showed that as a result of graphitisation the metal had become more brittle and its strength was reduced. Because of this, replacement of the affected parts was recommended. They have now been replaced by new parts made of chromium-molybdenum steel. There are 5 figures and 2 tables.

Card 2/2

AVAILABLE: Library of Congress

L 12692-63 EWP(k)/EWP(q)/EWT(m)/BDS AFFTC/ASD PF-4 JD/HW
ACCESSION NR: AP3003445 8/0129/63/000/007/0024/0025

62

AUTHOR: Krutasova, Ye. I.

TITLE: Properties of cold-deformed 12KhMF and 12Kh2MFSR steels

SOURCE: Metallovedeniye i termicheskaya obrabotka metallov, no. 7, 1963, 24-25

TOPIC TAGS: cold-deformed steel, 12KhMF steel, 12Kh2MFSR steel

ABSTRACT: Author carried out studies on cold-deformed steel in a deformation range of 7, 15 and 25% (such a deformation is the equivalent of the frequently used bend radii of steam pipes and steam superheaters) by tensile testing of samples annealed within the range of temperatures from 1400-750C through 50° intervals. Each group of samples was heated at a given temperature for 8 hours. Tensile tests were made after a heat treatment on some of them, and remaining were subjected to metallography analyses and hardness tests. For the 12KhMF steel, the most noticeable decrease of the hardness, the yield point, and increase of the plasticity were observed for 7 and 15% of deformation of 600-650C, and for 25% at 550-600C. The

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L 12692-63
ACCESSION NR: AP3003445

0

finest grain for 7% of deformation was obtained at 650C, for 15% of deformation at 625C, and for 25% at 555C. Annealing at 750C for 8 hours does not lead to full recrystallization of the metal. For the 12Kh2MPSR steel, the most noticeable decrease of the hardness and yield point for 7% of deformation were at 650C -700C and for 15% at 600-650C, and for 25% at 550-600C. Recrystallization of the steel 12KhMP deformed at a rate 7, 15 and 25% begins respectively at 650, 625 and 550C. Thus 25% of deformation lowers the temperature of the beginning of recrystallization of the steel 12KhMP and 12KhMPSR. Orig. art. has: 4 figures.

ASSOCIATION: none

SUBMITTED: 00

DATE ACQ: 02Aug63

ENCL: 00

SUB CODE: ML

NO REF SOV: 000

OTHER: 001

Card 2/2

KRUTASOVA, Ye. I., inzh.

Effect of cold deformation on the stress-rupture strength of pipes
from 12KhMF steel. Elek. sta 34 no. 6:28-30 Je '63. (MIRA 16:9)
(Pipe, Steel) (Steampipes)

KRUTASOVA, Ye.I.; VENKOVA, L.F.

Microstructure of 12KhM steel following deformation and subsequent aging. Metalloved. i term. obr. met. no.11:53-55 N '63. (MIRA 16:11)

1. Vostochnyy filial teplotekhnicheskogo nauchno-issledovatel'skogo instituta.

ACCESSION NR: AP025421

8/0096/64/000/004/0038/0042

AUTHOR: Krutasova, Ye. I. (Engineer)

TITLE: Changes in mechanical and heat resisting properties of boiler steels during cold bending with subsequent prolonged exposure to high temperatures

SOURCE: Teploenergetika, no. 4, 1964, 38-42

TOPIC TAGS: steel 12Kh1MF, steel 12Kh2MFSR, steam pipe, plastic deformation, cold working, carbon, silicon, chromium, molybdenum, vanadium, sulfur, phosphorus, manganese

ABSTRACT: The effects of cold plastic deformation on strength of steels (for steam and superheat pipes) were investigated, using pipe diameters 299 x 34 mm (No. 1), 273 x 26 mm (No. 2), and 273 x 20 mm (No. 3) for 12 Kh1MF steel, and pipe diameter 273 x 36 mm (No. 4) for 12 Kh2MFSR steel. The mechanical properties were determined after plastically deforming the samples 0 - 40% in bending or forging (of flat strips) at temperatures of 200 and 580C. The strength was also determined as a function of aging time for the two types of steel. The following conclusions were obtained: a) after cold bending of the pipes (for deformations less than 15%) the strength and plastic properties of the two steels remained

Card 1/2

ACCESSION NR: AP4025421

within acceptable limits prescribed for steam pipes; b) as a result of subsequent aging at high temperatures, the plastic properties of the steels return to their initial values while the strength properties remain high; c) cold plastic deformation to 15% increases the long-duration strength of 12Kh1MF steel while its deformation properties remain high; d) the time-to-failure of pipes operating at high pressures and temperatures increases for plastically deformed pipes for less than 15% deformation and decreases for higher deformations. Orig. art. has: 10 figures and 3 tables.

ASSOCIATION: VoF VTI

SUBMITTED: 00

DATE ACQ: 20Apr64

ENCL: 00

SUB CODE: MM

NO REF SOV: 002

OTHER: 001

Card 2/2

KRUTAYNIS, Dzintra; MEZULIS, Janis; DIMZA, J., red.; SPORANE, V.,
tekhn. red.

[Assembly of large-panel apartment houses] Lielpanelu
maju montāžas pieredze. Rīga, Latvijas Valsts izdevniecība, 1962. 59 p. (MIRA 16:6)
(Riga--Apartment houses--Design and construction)

KRUTCHENSKIY, G.V., inzhener.

Processing sesame seeds with double preliminary pressing. Masl.-zhir.prom. 18
no.7:28-30 JI '53. (MLRA 6:8)

1. Maykopnkiy maslozavod.

(Sesame oil)

KRUTCHENSKIY, G.V.

Denaturation of proteins during processing of sunflower seeds by
the forepan-preliminary screw press system. Masl.-zhir.prom.21
no.6:13-16 '55. (MLRA 8:12)

1. Maykopskiy maslosavod
(Proteins) (Oils and fats)

KRUTCHINSKIY, T.

Looking for potentials. Za rul. 20 no.11:3 N '62. (MIRA 15:11)

1. Nachal'nik avtomotokluba, g. Shuya, Ivanovskoy obl.
(Shuya—Automobile drivers—Education and training)

DENISOV, V.I.; KRUTEL', A.T.; PODLESSKAYA, Ye.M.; BREDIKHINA, A.M.;
BUCHALKINA, Z.P.; VERESHCHAGINA, N.M.; DENISOVA, T.F.;
PIROGOV, V.I., red.; KUZIN, N., tekhn.red.

[Economy of Belgorod Province; a statistical mammal] Narodnoe
khoziaistvo Belgorodskoi oblasti; statisticheskii sbornik. Orel,
Gosstatizdat, 1959. 253 p. (MIRA 13:6)

1. Belgorodskaya oblast'. Statisticheskoye upravleniye. 2. Na-
chal'nik Statisticheskogo upravleniya Belgorodskoy oblasti (for
Pirogov).
(Belgorod Province--Statistics)

NABELEK, I.; KRUTEL, J.

Effect of some parameters on the earphone characteristics
measured on human and artificial ears. El tech cas 14 no.6:
374-382 '63.

KRUTELEV, A.T.; CHIKUNOVA, A.A.

Use of KV rings on P-114-Sh continuous spinning machines.

Tekst.prom. 21 no.2:72 Ja '61.

(MIRA 14:3)

1. Ispolnyayushchiy obyazannosti glavnogo inzh. Morshanskoy sukonnoy fabriki (for Krutelev).
 2. Nachal'nik pryadil'noy gruppy nauchno-issledov.laboratorii Morshanskoy sukonnoy fabriki (for Chikunova).
- (Spinning machinery)

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APPROVED FOR RELEASE: 06/14/2000

CIA-RDP86-00513R000826810015-0"

ACCESSION NR: AP4041730

S/0181/64/006/007/2183/2187

AUTHORS: Baranskiy, P. I.; Krutelev, Ye. S.

TITLE: Effect of impurity scattering on the anisotropy of the planar Hall effect in n-germanium

SOURCE: Fizika tverdogo tela, v. 6, no. 7, 1964, 2183-2187

TOPIC TAGS: Hall effect, germanium, anisotropy, relaxation time, impurity center, Hall constant, Hall conductivity

ABSTRACT: This research was undertaken because of the presence of data indicating that the anisotropy of the relaxation time can be appreciable, and because of the lack of published data on the effect of impurity scattering on the anisotropy of the planar Hall effect. Specimens with axes aligned with those equivalent to [100] (specimens 0) and with the x, y, z axes parallel to [110], [110], and [001], respectively (specimens A) were used. The planar Hall effect was mea-

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1/4

ACCESSION NR: AP4041730

sured for all specimens at a magnetic field $H = 2.168 \times 10^6$ A/m and at $I = 2.5$ mA, and was shown to agree with other experimental results and with the theory (C. Goldberg and R. E. Davis, Phys. Rev. v. 94, 1121, 1954). The variation of the planar Hall effect coefficient with the resistivity (i.e., with the contribution of impurity scattering) was found to be highly anisotropic, as manifest by the results obtained for the different types of specimens. Data were also obtained for the Seitz coefficients, and the symmetry relations that follow from the theory of this effect for the magnetic resistivity coefficients were checked. Orig. art. has: 2 figures and 2 tables.

ASSOCIATION: Institut poluprovodnikov AN UkrSSR, Kiev (Institute of Semiconductors, AN UkrSSR)

SUBMITTED: 03Feb64

ENCL: 02

SUB CODE: 88

NR REF SOV: 005

OTHER: 007

Card 2/4

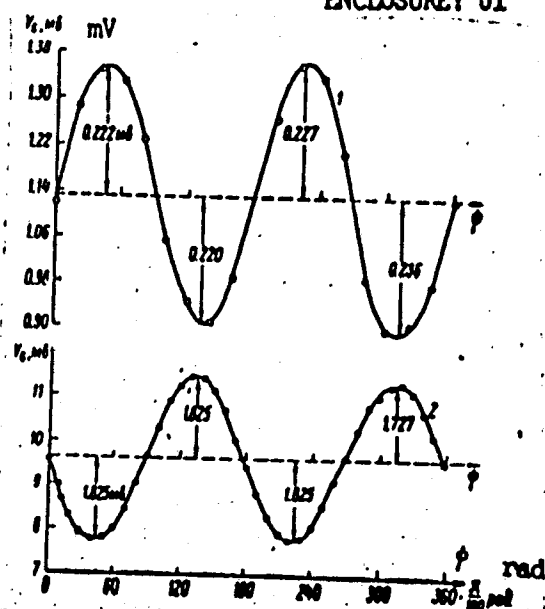
ACCESSION NR: AP4041730

ENCLOSURE: 01

Examples of angular dependences of planar Hall effect for samples having different crystallographic orientations and specific resistivities

1 - sample A ($\rho_0 = 5.54 \text{ ohm-cm}$)

2 - sample O ($\rho_0 = 35 \text{ ohm-cm}$)



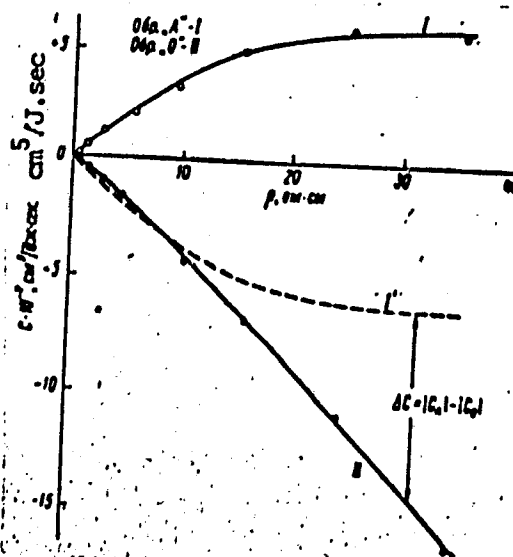
Card 3/4

ACCESSION NR: AP4041730

Dependence of Hall-effect coefficient
G on the specific resistivity ρ_0
(at room temperature)

I - sample A
II - sample O

ENCLOSURE: 02



Card 4/4

BARANSKIY, P.I.; KRUTELEV, Ye.S.

Effect of impurity scattering on the anisotropy of the planar Hall
effect in n-germanium. Fiz. tver. tela 6 no.7:2183-2187 J1 '64.
(MIRA 17:10)

1. Institut poluprovodnikov AN SSSR, Kiev.

KOROTKOV, M.V., kand.tekhn.nauk; MULLER, K.A., kand. tekhn. nauk;
KRUTENKO, N.I., inzh [deceased]; MADLEVSKIY, V.V., inzh.

Effectiveness of various types of experimental house foundations undercut by mining. [Trudy]VNIMI no.50:233-235 '63.
(MIRA 17:10)

KEUTENKO, V.F.

Treatment of some forms of myeloid leukemia with radium
gamma rays. Probl. gemat. i perel. krvi 9 no.6:23-26

Je '64.

(MIRA 18:2)

1. Radioterapevticheskoye otdeleniye (zav. Ye.N. Moznarova)
Tsentral'nogo nauchno-issledovatel'skogo instituta meditsinskoy
radiologii (dir. Ye.I. Vorob'yev) Ministerstva zdoravookhraneniya
SSSR, Leningrad.

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"APPROVED FOR RELEASE: 06/14/2000

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CIA-RDP86-00513R000826810015-0"

KRUTENKO, Ye. G.

KRUTENKO, Ye. G. -- "Methods of Increasing the Harvest Qualities of Buckwheat Seed under the Conditions of the Southern Ukraine." Odessa, 1955. (Dissertation for the Degree of Candidate in Agricultural Sciences).

So: Knizhnaya letopis', No 8, 1956, pp 97-103

KRUTENKO, Ye., kandidat sel'skokhozyaystvennykh nauk.

Sowing time for buckwheat in the south of the Ukrainian S.S.R.
Zemledelie 5 no.6:90-92 Je '57. (MLRA 10:8)
(Ukraine--Buckwheat)

KRUTENKO Ye.

USSR/Cultivated Plants - Grains.

11-4

Abs Jour : Ref Zhur - Biol., No 9, 1953, 39263

Author : Krutenko, Ye.

Inst : All-Union Selection and Genetics Institute.

Title : The Best Time for Growing Buckwheat in the South of the USSR.

Orig Pub : Zemel'deliye, 1957, No 6, 90-96.

Abstract : Maximum yields (12-30 cwt/ha) of buckwheat grain were obtained when the sowing took place in April and in July in experiments conducted by the All-Union Selection and Genetics Institute during 1953-1955. In order to utilize buckwheat as field stubble crop, it is recommended that it be sown in the first half of July.

Card 1/1

Country	: USSR	M
Category	: CULTIVATED PLANTS. GRAINS	
Abbr. Jour.	: REF ZHUR.BIOL., 21.1958, NO-05969	
Author	: Krutenko, Ye.	
Institut.	: ---	
Title	: Spring and Summer Planting Times for Buckwheat	
Orig. Pub.	: Zemledeliye i zhivotnovodstvo Moldavii, 1958, No. 3, 25-27	
Abstract	: The experimentation was conducted by the All-Union Selection-Genetic Institute (in Odessa) in those localities which were similar in climatic conditions to the south-eastern districts of Moldavia. The seeds were sown in 14 periods ranging from 1 April to 20 July. The best sowing times for buckwheat were the second half of April and the first half of July. The July planting is most promising. During the two years of the trial July plantings surpassed those of April by 1.1 cwt/ha.	
Card:	1/2	

KRUTENKO, Ye.G., kand.sel'skokhozyaystvennykh nauk; KOSMAKOVA, I.A., agronom

Buckwheat in Sverdlovsk Province. Zemledelie 24 no.5:56-57
My '62. (MIRA 15:7)

1. Nizhne-Tagil'skiy pedagogicheskiy institut.
(Sverdlovsk Province--Buckwheat)

KRUTENKO, Ye.G.; SOBOLEVA, I.

Experiment in producing an early potato crop. Biol. v shkole no.2:61-62
Mr-Apr '63. (MIRA 16:4)

1. Nizhnetagil'skiy pedagogicheskiy institut.
(Potatoes—Field experiments)

KRUTENKOV, P.S., inshener.

Designing water drainage facilities for railroad station
areas. Transp. stroi. 6 no.8:18-19 Ag '56. (MLBA 9:10)

(Railroads--Stations) (Drainage)

V
"Study of
KRYUKOV, N. G. Cand Tech Sci -- (disc) ~~Research on the~~ drainage of station
platforms." Mos, 1947. 9 pp 20 cm. (~~MIN~~ ^{of} RAILWAYS USSR. ~~For~~ ^{Engineers of}
~~Engineers~~ in J. V. Stalin), 110 copies

Mos Order of Lenin and Order of ~~LABOR~~ ^{Red Banner} Institute of ~~Railroad~~
^{Railroad Transport}

(B. 20-47, 44)

KRUTENKOV, P.S., inzhener.

Surface runoff and seepage in the ballast layer. Trudy MIIT no. 98/89:
150-157 '57. (MLRA 10:8)
(Runoff) (Ballast (Railroads)) (Soil percolation)

KRUTENKOV, P.S.

Draining water from railroad yard tracks. Put' 1 put. khoz.
no.5:17-18 My '59. (MIRA 12:8)

1. Nachal'nik Dorproyekta Moskovsko-Ryazanskoy dorogi.
(Drainage) (Railroads--Yards)

KRUTENKOV, P.S.

Diversion of water in station areas. Put' i put.khoz. 5
no.8:12-14 Ag '61. (MIRA 14:10)

1. Nachal'nik Dorproyekta Moskovskoy dorogi.
(Railroads--Maintenance and repair) (Drainage)

KRUTENKOV, P.S., kand.tekhn.nauk

Work practices of the Bureau for Planning and Design of a
consolidated railroad. Zhel.dor.transp. 43 no.8:37-40 Ag '61.
(MIRA 14:8)

(Railroad engineering)

KRUTENKOV, P.S.

Planning and construction of drains in connection with trackage
development in stations. Put' i put. khoz. 7 no.6:23-24 '63.
(MIRA 16:7)

1. Nachal'nik Dorproyekta Moskovskoy dorogi.
(Railroad engineering)

KRUTENKOV, P.S., kand. tekhn. nauk

Make efficient use of the means for overhauling. Zhel. dor.
transp. 45 no.3:42-45 Mr '63. (MIRA 16:6)

1. Nachal'nik dorproyekta Moskovskoy dorogi.
(Railroads—Maintenance and repair)
(Railroads—Finance)

NEKLEPAYEVA, Z.A., inzh., red.; KRUTENKOVA, P.S., kand. tekhn. nauk,
red.

[Handbook on estimated production norms in the overhauling
of buildings and structures of railroad transportation]
Smetno-normativnyi spravochnik po kapital'nomu remontu zdanii
i sooruzhenii zheleznodorozhnogo transporta. Moskva.
General part. Pt.1. [Dwellings, civil and industrial buildings
and structures] Obshchaia chast'. Pt.1. Zhilye, grazhdanskie
i promyshlennye zdania i sooruzhenia. Transzheldorizdat, 1963.
156 p. Pt.2. [Overhead contact system and electric power supply]
Kontaktnaia set' i energosnabzhenie. Sec.1. [Overhead contact
system] Kontaktnaia set'. Izd-vo "Transport," 1964. 128 p.
(MIRA 17:3)

1. Russia (1923- U.S.S.R.) Ministerstvo putey soobshcheniya.

KHUTENKOVA, G., obshchestvennyy instruktor, g. Ashkhabad.

Creative attitude toward work. Voen.znan. 31 no. 7:8-9 J1'55.
(Military education) (MIRA 8:12)

L 17730-66 EWT(m)/ETC(f)/EWG(m)/EWP(t) LJP(o) RLW/JD/GS
ACC NR: AT6001337

SOURCE CODE: UR/0000/65/000/000/0122/0124

AUTHOR: Talibi, M. A.; Krutenyuk, Ye. G.

ORG: none

TITLE: The effect of a sodium impurity on certain properties in selenium components

SOURCE: AN AzerbSSR. Institut fiziki. Selen, tellur i ikh primeneniye (Selenium, tellurium and their utilization). Baku, AN AzerbSSR, 1965, 122-124

TOPIC TAGS: pn transition, selenium, cadmium selenide, semiconducting material, sodium, impurity conductivity

ABSTRACT: The effects of sodium impurities on pn transition properties Se-CdSe were studied. A literature review of the effect of sodium on electric and optical properties of selenium was presented; the sodium action decomposes the molecules of selenium and accelerates their crystallization. Experimental data were gathered for samples with up to 0.1 at % Na, the cadmium being deposited first (vapor) onto an aluminum cathode and the selenium with Na as an impurity deposited next. Some samples had 0.005% Cl while others had both 0.005% Cl and 0.1% Na. The components

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L 17730-66

ACC NR: AT6001337

made with Na impurity additions possessed a higher electrical stability, carrying as much as 100 v through the elements. The specific electrical capacitance C was compared with the thickness of the pn transfer for each of the components at room temperature and without a shift in the external voltage. The static volt-ampere characteristics at room temperature showed that the density of the reverse current was much lower for elements with Na impurity. The barrier capacity for all of the elements decreased with rise in shut-off voltage. The higher electrical stability of elements containing Na as an impurity was related to the greater pn transition thickness. The frequency dependence of the rectifier current was also studied as a function of entering voltage change. The frequency was changed from 50 to 10,000 cps for room temperature and 130°C. In all cases the rectifier current was highest for elements with Cl impurities and lowest for those containing Na; the other elements had average values. The most effective elements were those with technical grade selenium containing both Na and Cl. The authors express their gratitude to Professor G. B. Abdullayev for interest in the work. Orig. art. has: 1 table.

SUB CODE: 11 20/ SUBM DATE: 10Mar65/ ORIG REF: 003/ OTH REF: 006

Card 2/2 TS

L 06196-67 EMT(m)/EMP(t)/ETI IJP(c) JD/JH

ACC NR: AP6032616

SOURCE CODE: UR/0233/66/000/002/0101/0106

AUTHOR: Talibi, M. A.; Verdiyeva, T. M.; Krutenyuk, Ye. G.

58
56
3

ORG: none

TITLE: Effect of crystallization and surface condition of Se on forming of p-n
junctions of Se-CdSe and Se-CdSSOURCE: AN AzerbSSR. Izvestiya. Seriya fiziko-tekhnicheskikh i matematicheskikh
nauk, no. 2, 1966, 101-106TOPIC TAGS: semiconductor device, photoelectric cell, semiconductor rectifier,
selenium rectifier, PN JUNCTION, CADMIUM SELENIDE, SELENIUM,
CRYSTALLIZATION

ABSTRACT: The article presents some results of an experimental investigation of the dependence of properties of selenium p-n junctions on the structure of the selenium surface. Rectifying cells made of Se-CdSe, Se-CdS, Se-CdSe photocells, and Se-layers were investigated. A bismuth coated aluminum base with a selenium layer (containing 0.03% Br) was used as a basic material for specimens. Specimens were crystallized under various conditions and then etched with nitric acid. Their surfaces were then studied on the basis of their reflection of monochromatic rays (420-780 mμ) using dial-beam microphotometer. Analysis of data indicates: 1) There are two stages of crystallization of selenium layers deposited on rough bismuth-coated aluminum bases: a) spherulitic crystallization b) crystallization caused by growth of intra- and inter-

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L 06196-67

ACC NR: AP6032616

2

spherulitic crystalline grains. 2) During the first stage of crystallization the resistivity ρ and zero resistances of the corresponding rectifiers- R_0 decrease monotonically if the diameters of spherulitics and the diffuse-reflection factor increase. During an increase in diameters of spherulitics from 2×10^{-3} to 10^{-2} cm, the resistivity decreased from 10^6 to 4×10^5 ohm·cm, and R_0 decreased respectively from 4×10^9 to 5×10^3 ohm. 3) The etching of the selenium surface decreases the diffuse-reflection factor of monochromatic rays. The concentration of ionizing impurity centers increases two or three times in the region of the space charge, and a capacitive loop of the inverse current half wave leakage develops as a result. 4) Maximums of selenium photocell spectral sensitivity correspond to $\lambda = 5800 \text{ \AA} - 6000 \text{ \AA}$. They are caused by lattice absorption; their position depends only slightly on the degree of crystallization. The authors thank G. A. Efendiyev and K. P. Mamedov for valuable comments. Orig. art. has: 6 figures and 1 table.

SUB CODE: 09/ SUBM DATE: none/ ORIG REF: 012/ OTH REF: 001

Card 2/2 afa

KRUTER, M.

Ten years will pass. Sov.profsoiuzy 17 no.22:13-14 N '61.
(MIRA 14:10)

1. Direktor Irkutskogo zavoda "Avtotraktorodetal'".
(Irkutsk—Tractor industry) (Trade unions)

GUL', V.Ye.; KRUTITSKAYA, G.P.; KOVRIGA, V.V.

Investigating the mechanism of the rupture of vulcanizates. Kauch.
i res. 16 no.12:1-7 D '57. (MIRA 11:3)

1. Moskovskiy institut tonkoy khimicheskoy tekhnologii im. M.V.
Lomonosova.

(Rubber--Testing) (Deformations (Mechanics))

KRUTETSKAYA, G.P.

20-5-15/60

AUTHOR:

GUL', V.E., KRUTETSKAYA, G.P.

TITLE:

An Experimental Investigation of Highly Elastic Polymers Specimens as to the Relation between the Rate of their Rupture Process and the Rate of Deformation. (Eksperimental'noye issledovaniye zavisimosti skorosti vysokoelasticheskogo razryva ot skorosti deformatsii obraztsa, Russian)

PERIODICAL:

Doklady Akademii Nauk SSSR, 1957, Vol 114, Nr 5, pp 973-975 (U.S.S.R.)

ABSTRACT:

The authors here investigate the rules governing the growth of ruptures in connection with the influence exercised by various factors: The amount of damage, the velocity of deformation, the deforming stress, and the specific cohesion energy of the vulcanized substance. For this purpose samples of unfilled vulcanized substances of nitril caoutchoucs SKN-18, SKN-26 and SKN-40 with the same degree of transversal cohesion were used. The rectangular samples., which had a breadth of 50 mm, had incisions of 5, 2,3, and 1,0 mm length which were arranged so as to be transverse to the deformation axis. Also samples without incisions were used. Tests were carried out with a breaking-up machine at velocities of 100, 200, 500, and 1000 mm/min. The dependence of the velocity of growth of the rupture on the various factors was studied on the basis of slow-motion pictures.

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20-5-15/60

An Experimental Investigation of Highly Elastic
Polymere Specimens as to the Relation between the Rate of
their Rupture Process and the Rate of Deformation.

All experimental data were obtained at $+40^{\circ}$. Also temperature
exercises essential influence on the kinetic of the growth
of the rupture. The results obtained are illustrated in form of
diagrams.

The growth velocity of the rupture remains immeasurably low
nearly during the entire duration of the test if the deformation
method described is used, but it then increases quickly and
abruptly. In the initial stage of deformation an additional
deformation takes place in the apex of the incision, and there-
fore also an additional orientation of the material takes place.
With increasing relative length of the incision the time interval
 τ between the beginning of the deformation and the rupture
diminishes. In the case of all samples investigated τ diminishes
with increasing deformation velocity. (With 4 illustrations)

ASSOCIATION:
PRESENTED BY:
SUBMITTED:
AVAILABLE:
Card 2/2

Not given /, MOSKOVSKIY INSTITUT TONKOY HIMICHESKOY
TEKHNologii IM. M. V. LOMONOSOVA,
Library of Congress PRESTAVLENO AKADEMIKOM V. A.

KARGINYYA

ZEFIROV, N.S.; KRUTETSKAYA, G.P.; PRIKAZCHIKOVA, L.P.; YUR'YEV, Yu.K.

3,6-Endoxocyclohexanes and endoxo cyclohexanes. Part 24: Dipole moments of dimethyl ester derivatives of 3,6-endoxohexahydrophthalic acid. Zhur. ob. khim. 35 no.9:1687-1690 S '65.

(MIRA 18:10)

1. Moskovskiy gosudarstvennyy institut.

982

169 p.

KRUTETSKAYA, O.V. PHASE I BOOK EXPLOITATION 157
 Voprosy geologii urana (Problems in the Geology of Uranium) 7,000
 (Series: Atomnaya energiya. Prilozheniye, 1957, no. 6)
 copies printed.

Resp. Ed.: Konstantinov, M.M.; Tech. Ed.: Usachev, G.L.

PURPOSE: This book is of interest to uranium exploration specialists and geologists studying associated minerals.

COVERAGE: The present collection of 12 articles by different authors discusses the genesis of uranium deposits, uranium mineralogy, and methods of research and analysis used in evaluating ores. Several new minerals are described and a review of aerogeophysical exploitation in the United States, Canada and Australia is given. The articles are accompanied by diagrams, tables, photographs, and bibliographic references.

Card 1/3

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982

Editorial

Karpenko, V.S. Metamorphic Processes in Uranium Ores

4

Getseva, R.V. Characteristics of Sedimentary - metamorphic Genesis of Uranium Mineralization

5

Nekrasova, Z.A. Problems of the Origin of Uranium Mineralization in Coals

20

Polikarpova, V.A. New Data on Nenadkevite

37

Nekrasova, Z.A. Ammonium Uranyl Phosphate Hydrate (Uramfit)

55

Chernikov, A.A., Krutetskaya, O.V., and Sidel'nikova, V.D. Ursilite-a New Uranium Silicate

67

Card 2/3

73

AUTHOR CHERNIKOV, A.A., KRUTETSKAYA, O.V., ORGANOVA, N.I. 89-8-8/26
TITLE Sodium Autenite.
(Natrostenit) - Russian
PERIODICAL Atomnaya Energiya, 1957, Vol 3, Nr 8, pp 135 - 140 (U.S.S.R.)
ABSTRACT In 1953 a new mineral was found in a Russian mountain massif - a hydrous sodium -uranium phosphate. The mineral belongs to the group of uranium micas, and is closely related to autonite with respect to its properties. The following experimental data concerning the new mineral are available:
a) Chemical composition:

UO ₃	61,9 ± 62,53%	Co ₂	0,24 %
P ₂ O ₅	15,56 ± 14,69%	MgO	0,43 %
Na ₂ O	5,62 ± 6,88%	Al ₂ O ₃	0,32 %
CaO	1,2 ± 0,14%	Fe ₂ O ₃	0,97 %
SiO ₂	1,6	H ₂ O	13,07 ± 14,84 %

b) Stoichiometric formula: Na₂(UO₂)₂(PO₄)₂8H₂O
c) Specific weight: 3,584 g/cm³
d) Crystal lattice spacing: a = 6,97 Å
c = 8,69 Å c/a = 1,245
(3 tables, 2 illustrations and 6 Slavic references).

Card 1/2

Sodium Autenite.

89-8-8/26

ASSOCIATION Not Given.
PRESENTED BY
SUBMITTED 25.2.1957
AVAILABLE Library of Congress.
Card 2/2

REKHARSKIY, V.I.; KRUTITSKAYA, O.V.; DUBROVA, I.V.

Redeposition of molybdenum and uranium by hydrothermal bicarbonate solutions. Geol. rud. mestorozh. no.4:103-110 J1-Ag '59.

(MIRA 13:1)

1. Institut geologii rudnykh mestorozhdeniy, petrografii, mineralogii i geokhimii AN SSSR, Moskva.

(Molybdenum) (Uranium)

(Sedimentation and deposition)

REKHARSKIY, V.I.; KRUTETSKAYA, O.V.

Molybdenum in rocks of the southwestern spurs of the northern Tien
Shan. Trudy IGEM no.46:55-76 '60. (MIRA 14:1)
(Tien Shan—Molybdenum) (Rocks—Analysis)

5/001/62/000/003/027/020
B15C/B101

AUTHOR: Rekharskiy, V. I., Kryukovskaya, G. V.
 TITLE: Uranium in rocks of the Southwest spur of the North Tien
 Shan range
 PERIODICAL: Referativnyy zhurnal. Khimiya, no. 5, 1967, 117 - 118.
 abstract 5621 (Izv. AN SSSR. Ser. Geol. no. 7, 1961, 58-71)

TEXT: Results are submitted of the determination of uranium in 2591
 samples of sedimentary, effusive, and intrusive rocks. A method is
 described for the selection of assays and the analytical determination in
 them of uranium. The average content of U in rocks of this region is
 $2.1 \cdot 10^{-4}\%$. Intrusive rocks are characterized by the higher content of U
 $(2.8 \cdot 10^{-4}\%)$ than in the effusive $(1.8 \cdot 10^{-4}\%)$ and the sedimentary $(1.6 \cdot 10^{-4}\%)$.
 Among the latter the highest average content of U is recorded in the
 carbonaceous-siliceous schists, less is found in the organogenic lime-
 stones, clays, still less in the sandstones, siltstones and dolomites,
 and the very least content is in the siliceous metamorphized schists and
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B15C/B101

Uranium in rocks of the...
 limestones. A fundamental peculiarity of the sedimentary rocks with a U
 concentration is the presence in them of increased amounts of organic C,
 P, and S²⁻. In magmatic rocks high contents are recorded in more acid
 varieties, and lower ones in the medium and basic. In medium rock
 increased amounts of it are found in alkaline varieties. In the acid
 rock series an accumulation of U is observed in the youngest intrusive
 complexes. The maximum concentrations of U are recorded in the acid
 subalkaline rocks with a small amount of RO. Abstractor's note:
 Complete translation.

REKHANSKIY, V.I.; KRUTetskaya, O.V.

Some data on the coloring of sulphates by ilsemanite.

Dokl. AN SSSR 144 no.4:903-906 Je '62. (MIRA 15:5)

1. Institut geologii rudnykh mestorozhdeniy, petrografii, mineralologii
i geokhimii AN SSSR. Predstavleno akademikom D.I. Shcherbakovym.
(Sulfates) (Ilsemanite)

KRUTETSKIY, V.A.

The schoolchild's comprehension and evaluation of some personal moral characteristics. Vop.psikhol. 2 no.2:74-88 Mr-Apr '56.
(MLBA 9:8)

1. Institut psikhologii Akademii pedagogicheskikh nauk RSFSR,
Moskva.

(Child study) (Character)

KRUTETSKIY

~~NOVITSKIY, V.A.; EL'KONIN, D.B.~~

Conference on the psychology of personality. Vop. psikhol.
2 no.4:175-192 J1-Ag '56.

(MLBA 9:10)

(Personality)

KHUTETSKIY, V.A.

An attempt at an analysis of the capacity of pupils for mastering
mathematics [with summary in English]. Vop.psikhol. 5 no.1:32-50
Ja-F '59. (MIRA 12:4)

1. Institut psikhologii APN RSFSR, Moskva.
(Mathematics--Study and teaching)
(Ability--Testing)

KRUTETSKIY, V.A.

Conference of the pedagogical and psychological faculties of the
Ural region. Vop. psikhol. 5 no.3:183-185 My-Je '59.

(Educational psychology)

(MIRA 12:9)

KRUTETSKIY, V.A.

Some characteristics of the thinking of school children with slight
aptitude for mathematics. Vop. psikh. 7 no.5:77-89 S-O '61.
(MIRA 15:1)

1. Institut psikhologii Akademii pedagogicheskikh nauk RSFSR, Moskva.
(THOUGHT AND THINKING) (MATHEMATICAL ABILITY)

RUBINSHTEYN, S.L.; SOKOLOV, A.N.; LURIYA, A.R.; LEONT'YEV, A.N.; SMIRNOV, A.A.; GOROBOLIN, F.N.; MENCHINSKAYA, N.A.; ZHINKIN, N.I.;
IGNAT'YEV, Yo.N.; EL'KONIN, D.B.; OJREVICH, K.M.; GUR'YANOV, Yo.V.;
LEYTES, N.S.; KRUTETSKIY, Y.A. *Prinipali uchastiye:* POLYAKOV, G.I.;
SHEMYAKIN, F.N.; TEPOV, B.M., red.; VVEDENSKAYA, L.A., red.;
DRANNIKOVA, M.S., tekhn. red.

[Psychology]Psikhologiya; uchebnik dlia pedagogicheskikh institutov.
Pod red. A.A.Smirnova i dr. Izd.2. Moskva, Uchpedgiz, 1962. 558 p.

1. Akademiya pedagogicheskikh nauk RSFSR, Moscow. In- (MIRA 15:11)
stitut psikhologii.

(PSYCHOLOGY)

KUZNETSOV, ANDREY PETROVICH

Ekonomika Sovetskoy knizhnoy torgovli; sushchnost', znachenie i osnovy
planirovaniya [by] A.P. Kuznetsov [1] A.V. Shupkalin. Moskva, Gos. Izd-vo
"Iskusstvo", 1961.

131 p.

Bibliographical footnotes.

KRUTETSKIY, Ye. V.

ANDREYEV, O.V.; BABKOV, V.F.; ZAMAKHAYEV, M.S.; KRUTETSKIY, Ye.V.;
PLOTNIKOV, S.A., redaktor; GALAKTIONOVA, Ye. F., tekhnicheskii
redaktor

[Exercises for a course in automobile road planning] Uprashnenia
po kursu proektirovaniia avtomobil'nykh dorog. Moskva, Izd-vo
dorozhno-tekhn. lit-ry Gushosdora MVD SSSR. Pt.2. 1952. 256 p.
[Microfilm] (MLRA 7:10)

1. Moscow. Avtomobil'no-dorozhnyy institut
(Roads--Design)

ANDREYEV, Oleg Vladimirovich; BABKOV, Valeriy Vedorovich; GERBURT-
GETBOVICH, Andrey Vladimirovich; ZAMAKHAYEV, Mitrofan Semenovich;
KRUTITSKIY, Yevgeniy Vladimirovich; ORNATSKIY, Nikolay Petrevich;
SEDEL'NIKOV, Pavel Ivanovich; SMIRNOV, Andrey Sergeyevich; SHESTAKOV,
P.N.[deceased] PLOTNIKOV, S.A., redaktor; KOGAN, F.L., tekhnicheskiy
redaktor.

[Examples of highway design] Primery proektirovaniya avtonobil'nykh
dorog. Izd. 2-e, perer. Moskva, Nauchno-tekhn. izd-vo avtotransp.
lit-ry, 1955. 283 p. (MLRA 8:12)
(Roads)

KRUTETSKIY, Yevgeniy Vladimirovich, dots.; POLIVANOV, Nikolay Ivanovich, dots.; kand.tekhn.nauk; SLAVUTSKIY, Aleksandr Gal'manovich, dots., kand.tekhn.nauk; KHRISTENKO, V.P., red.; KONYASHINA, A.D., tekhn. red.

[Roads and bridges] Dorogi i mosty. Izd. 2-oe, ispr. i perer. Pod obshchei red. M.V.Krutetskogo. Moskva, Izd-vo M-va kommun. khoz. RSFSR, 1957. 442 p. (MIRA 11:2)
(Road construction) (Bridge construction)

ZAMAKHAYEV, M.S., dots.; KRUTETSKIY, Ye.V., dots.

Technical standards for planning local roads. Avt.dor.
23 no.7:19-21 J1 '60. (MIRA 13:7)
(Roads--Contracts and specifications)

ROMANENKO, Ivan Alekseyevich, prof., doktor tekhn. nauk; KRUTETSKIY, Ye.V., red.; ZUBKOVA, M.S., red. izd-va; GALAKTIONOVA, Ye.N., tekhn. red.

[Technical and economic bases for the location of highway systems] Tekhniko-ekonomicheskoe oboznanie razmeshchenia seti avtomobil'nykh dorog. Moskva, Nauchno-tekhn.izd-vo M-va avtomobil'nogo transp. i shosseinykh dorog RSFSR, 1961. 146 p. (MIRA 15:2)
(Roads) (Transportation, Automotive)

SLAVUTSKIY, Aleksandr Kel'manovich; BABKOV, V.F., doktor tekhn. nauk, prof., retsenzent; POLIVANOV, N.I., doktor tekhn.nauk, prof., retsenzent; KALUZHSKIY, Ya.A., doktor tekhn. nauk, prof., retsenzent; KRUTETSKIY, Ye.V., dots., red.; OVSYANNIKOVA, Z.G., red.isd-va; MURASHOVA, V.A., tekhn. red.

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Monograph

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-Andreyev, Oleg Vladimirovich; Babkov, Valeriy Fedorovich; Gerburt-Geybovich, Andrey Vladimirovich; Krutetskiy, Yevgeniy Vladimirovich; Zamakhayev, Mitrofan Semenovich; Afanas'yev, Mikhail Borisovich; Bim-Bad, Maks Isaakovich; Ornatskiy, Nikolay Petrovich; Porozhnyakov, Vladimir Sergeyevich; Pryakhin, Aleksey Ivanovich; Sebel'nikov, Petr Ivanovich

Highway designing (Examples) (Proyektirovaniye avtomobil'nykh dorog (primary), Moscow, Izd-vo "Transport", 66, 0395 p. illus., biblio., tables, 6,000 copies printed, 3d ed., rev.

TOPIC TAGS: highway network, highway engineering, highway structure, hydraulic engineering, hydrological calculation.

PURPOSE AND COVERAGE: The book gives technico-economic fundamentals for road network designing, and presents examples of transverse and longitudinal cross sections as well as methods of determining openings in small artificial structures. Calculations of earth bed stability and thickness of road pavements are given; planning and design of highways in complicated conditions is described. Hydrological and hydraulic calculations involved in the planning of crossings of

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large water expanses are examined. The book is intended primarily as a textbook for highway engineering students at institutions of higher learning and may likewise be useful for engineers and technicians. The authors express their gratitude to the reviewers: professors, doctors of technical sciences Ya. A. Kaluzhskiy and I. A. Romanenko; to docents, candidates of technical sciences V. A. Bogayeva, L. A. Barats, N. I. Baskevich, V. M. Kislyakov, and I. A. Nosich; to the chief engineer of the GPI Soyuzdorproyekt V. B. Zavadskiy, and to engineers A. A. Semenovskiy, M. L. Sokolov, and A. S. Fedner; also to instructors of MADI, doctor of technical sciences L. A. Bronshteyn, and candidate of technical sciences Ye. N. Garmanov.

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- Ch. 6. Planning of highway reconstructions -- 354
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